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Haruhisa Hasegawa, Akiya Inoue
December 1992 **Proceedings of the 24th conference on Winter simulation**
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2 A content-analytic longitudinal study of the drivers for information technology and systems outsourcing
Jahyun Goo, Rajiv Kishore, H. Raghav Rao
December 2000 **Proceedings of the twenty first international conference on Information systems**
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3 SIGMOD challenges paper: database issues in telecommunications network management
Ilsoo Ahn
May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD International conference on Management of data**, Volume 23 Issue 2
Full text available: 🗎 pdf(822.72 KB)   Additional Information: full citation, abstract, references, citings, index terms

Various types of computer systems are used behind the scenes in many parts of the telecommunications network to ensure its efficient and trouble-free operation. These systems are large, complex, and expensive real-time computer systems that are mission critical, and contains a database engine as a critical component. These systems share some of common database issues with conventional applications, but they also exhibit rather unique characteristics that present challenging database issues. ...

4 Requirements and the concept of cooperative system management
Bharat Bhushan, Ahmed Patel
May 1998 **International Journal of Network Management**, Volume 8 Issue 3
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terms

Cooperation among various types of management functions is necessary to allow management functions to interwork in providing and using information and services for systems management. To understand these tasks from the point of view of cooperative working, this article discusses the requirements and presents the concept of cooperative system management. © 1998 John Wiley & Sons, Ltd.

5 Focusing processor policies via critical-path prediction
Brian Fields, Shai Rubin, Rastislav Bodik
May 2001 **ACM SIGARCH Computer Architecture News , Proceedings of the 28th annual international symposium on Computer architecture**, Volume 29 Issue 2
Full text available: 🗎 pdf(1.10 MB) 🔗 Publisher Site   Additional Information: full citation, abstract, references, citings, index terms

Although some instructions hurt performance more than others, current processors typically apply scheduling and speculation as if each instruction was equally costly. Instruction cost can be naturally expressed through the *critical path*: if we could predict it at run-time, egalitarian policies could be replaced with cost-sensitive strategies that will grow increasingly effective as processors become more parallel.

This paper introduces a hardware predictor of instruction critic ...

6 Power and information technology: a review using metatriangulation
Carol S. Saunders, Traci A. Carte, 'Jon Jasperson, Henry Croes, Weijun Zheng, Brian S. Butler
December 2000 **Proceedings of the twenty first international conference on Information systems**
Full text available: 🗎 pdf(165.73 KB)   Additional Information: full citation, references, index terms

7 Implementation of a diagnostic and troubleshooting multi-agent system for cellular networks
Mahamat Guiagoussou, Said Soulhi
August 1999 **International Journal of Network Management**, Volume 9 Issue 4
Full text available: 🗎 pdf(570.61 KB)   Additional Information: full citation, abstract, references, index terms

This article presents the implementation of a maintenance application for cellular switching system using the multi-agent paradigm. The main philosophy behind the design of the multi-agent system is based on the TMN framework, where each agent can mapped with one or several TMN functional blocks. Copyright © 1999 John Wiley & Sons, Ltd.

8 Measuring limits of parallelism and characterizing its vulnerability to resource constraints
Lawrence Rauchwerger, Pradeep K. Dubey, Ravi Nair
December 1993 **Proceedings of the 26th annual international symposium on Microarchitecture**
Full text available: 🗎 pdf(1.39 MB)   Additional Information: full citation, references

9 Background memory management for dynamic data structure intensive processing systems
Gjalt de Jong, Bill Lin Carl Verdonck, Sven Wuytack, Francky Catthoor
December 1995 **Proceedings of the 1995 IEEE/ACM International conference on Computer-aided design**

Full text available: 🗎 pdf(61.92 KB) 🔗 Publisher Site   Additional Information: full citation, abstract, references, citings, index terms

Telecommunication network management applications often require application-specific ICs that use large dynamically allocated stored data structures. Currently available hardware synthesis environments typically do not support dynamic data structure concepts and their associated memory synthesis problems. In this paper we address the \fibackground memory management\fP task in a hardware design trajectory, which includes allocation of a distributed memory architecture, assignment and mapping of a ...

Keywords: Background memory management system level design telecommunication network applications

10 An architecture and two new research problems in ARCS databases
Anindya Datta, Sharma Chakravarthy, Shiby Thomas, Igor R. Viguier
November 1996 **Proceedings of the workshop on on Databases: active and real-time**
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11 Full papers: Approach for the development of systematic and productive verifying lists of usability
Walter de Abreu Cybis, André Fabiano Dyck, Renate de Oliveira, Priscilla B. B. Pagliuso, Claudia de Andrade Tambascia, André Luiz de Castro Villas-Boas, Mirian Freitas
August 2003 **Proceedings of the Latin American conference on Human-computer interaction**
Full text available: 🗎 pdf(241.49 KB)   Additional Information: full citation, abstract, references

This paper proposes an approach to the development of checklist-based software-usability inspection techniques. More precisely, it is shaped as a cyclic process of planning, construction, application and data analysis, which involves the application of evolutive checklist versions. The whole process is oriented to reach three checklist quality metrics: productivity, effectiveness and systematization of diagnosys. A case study presents the application of such approach to the developpment of a che ...

12 Netman: a learning network traffic controller
Bernard Silver
June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**
Full text available: 🗎 pdf(963.64 KB)   Additional Information: full citation, abstract, references, index terms

One of the goals of Machine Learning is the production of software that can improve itself. Such software can learn from experience and adapt to changing situations and requirements. In addition, such software can refine its knowledge-base, perhaps leading to a level of expertise beyond that of human experts. This paper describes NETMAN, a knowledge-based program that uses a machine learning technique, Knowledge-based Learning, in the domain of Network Traffic Co ...

13 Coordinating distributed actions via agent voting
A. B. Urken
March 1990 **ACM SIGOIS Bulletin , Proceedings of the conference on Office information systems**, Volume 11 Issue 2-3
Full text available: 🗎 pdf(479.61 KB)   Additional Information: full citation, abstract, references, index terms

This paper investigates the use of voting policies to coordinate routing decisions in a phone

network. Although the social metaphor of voting has been applied to network coordination decision tasks, this study presents the first operational example of a vote-theoretic group decision support system (GDSS) for nodes. The experimental evidence shows that a collective choice voting policy dominates a policy of individual, hierarchical voting in minimizing movement toward system saturation and p ...

14 Clustering intrusion detection alarms to support root cause analysis
Klaus Julisch
November 2003 **ACM Transactions on Information and System Security (TISSEC)**, Volume 6 Issue 4
Full text available: 🗎 pdf(285.72 KB)   Additional Information: full citation, abstract, references, index terms

It is a well-known problem that intrusion detection systems overload their human operators by triggering thousands of alarms per day. This paper presents a new approach for handling intrusion detection alarms more efficiently. Central to this approach is the notion that each alarm occurs for a reason, which is referred to as the alarm's *root causes*. This paper observes that a few dozens of rather persistent root causes generally account for over 90% of the alarms that an intrusion ...

Keywords: Intrusion detection, cluster analysis, data mining, false positives, root cause analysis

15 A survey of high level microprogramming languages
Marleen Sint
November 1980 **Proceedings of the 13th annual workshop on Microprogramming**
Full text available: 🗎 pdf(1.10 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper surveys the current state of design and implementation of high level microprogramming languages. First, a number of important design issues are formulated. Next, four microprogramming languages are considered in detail, to see how each of them has approached these issues. Brief remarks are made about six other languages. Finally, some concluding remarks are made.

16 Organizational power and the information services department: a reexamination
Carol S. Saunders, Richard W. Scamell
February 1986 **Communications of the ACM**, Volume 29 Issue 2
Full text available: 🗎 pdf(592.23 KB)   Additional Information: full citation, abstract, references, citings, index terms

In a recent application of the theory of strategic contingencies in three large multinational firms, Lucas found that information services departments were perceived by others as having low levels of power and influence and suggested a variety of reasons for the results. This note continues the application of the theory of strategic contingencies to the information services department by describing a study of intraorganizational power that uses basically the same procedures as the Lucas stu ...

17 Network and service management for wide-area electronic commerce networks
Symeon Papavassiliou
March 2001 **International Journal of Network Management**, Volume 11 Issue 2
Full text available: 🗎 pdf(416.91 KB)   Additional Information: full citation, abstract, references, index terms

This paper focuses on the effective management of wide‐area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright © 2001 John Wiley & Sons, Ltd.

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Agent-Oriented Requirements Engineering Using ConGolog and i* - Wang, Lespérance (2001) (Correct) (3 citations)
the task is to be performed, but not why. A resource-dependency specifies that the depender depends on
AvailDates(m) Meeting Scheduler LEGNED Resource Dependency Task Dependency Agent Goal Dependency
www.cs.yorku.ca/People/lesperan/papers/AOIS01.pdf

Information Systems as Social Structures - Ariel Fuxman Paolo (2001) (Correct) (2 citations)
on MediaRetailer to get a Media Item (resource dependency) and Consult Catalogue (task dependency)
www.cs.toronto.edu/~mkolp/tropos/fois-acm.pdf

A Trip-based Multicasting Model in Wormhole-routed Networks.. - Yu-Chee Tseng (1996) (Correct) (15 citations)
model is a node sequence called trip. The resource-dependency relation is established based on this
to channel c 0 then there is a resource dependency from c to c 0 denoted as c 7! c 0
ftp.cis.ohio-state.edu/pub/communication/papers/tpds-multicast.ps.Z

Parallel Query Scheduling and Optimization with Time- and .. - Garofalakis, Ioannidis (1997) (Correct) (7 citations)
blocking edges occasionally imply a SS resource dependency, where a parent task must use the same SS
taken to ensure that whenever there is a SS resource dependencybetween parent and children tasks across
www.bell-labs.com/user/minos/Papers/vldb97par-cam.ps.gz

Strategic Modelling for Enterprise Integration - Yu (1999) (Correct) (2 citations)
well as dependencies from other actors. In a resource dependency, the depender depends on the dependee for
of some deliberation-action process. In a resource dependency, it is assumed that there are no open
or second actor goal dependency task dependency resource dependency softgoal dependency LEGEND
ftp.cs.toronto.edu/pub/eric/IFAC99.pdf

Characterizing and Assessing a Large-Scale Software.. - Briand, Melo, Seaman, .. (1995) (Correct) (6 citations)
procedures are to be followed. In a resource dependency, the depender relies on the dependee for
information dependencies are one type of resource dependency. However, a need for information is
ftp.cs.umd.edu/pub/papers/papers/ncstrl.umcp/CS-TR-3354/CS-TR-3354.ps.Z

An Architecture for Inter-Domain Troubleshooting - Thaler, Ravishankar (1997) (Correct) (3 citations)
defined by the ISO [10]Our method uses resource dependency graphs, in which each node represents an
Up Down Upstream Downstream Figure 1: Sample Resource Dependency Graph a UDP stream will always depend upon
www.eecs.umich.edu/~thalerd/icccn.ps

Using Goals, Rules, and Methods to Support Reasoning in.. - Yu, Mylopoulos (1994) (Correct) (4 citations)
the goal. The client depends on purchasing Resource Dependency Task Dependency Goal Dependency Soft-Goal
supposed to follow specific procedures. In a resource-dependency, the depender depends on the dependee for
ftp.cs.toronto.edu/pub/eric/HICSS94.ps.Z

A Coordination Perspective on Software System Design - Dellarocas (1997) (Correct) (2 citations)
code (for example, the existence of a shared resource dependency might require a distributed mutual
ccs.mit.edu/dell/seke97.pdf

Understanding the Home Market Effect and the Gravity.. - Robert Feenstra James (1998) (Correct) (1 citation)
goods have greater barriers to entry (due to resource-dependency, for example)then the home market effect
www.econ.ucdavis.edu/~feenstra/FMR.pdf

Coordination Theory and Software Process Technology - Mark Greenwood (1995) (Correct) (1 citation)
startC \Gamma #finishC 1 A shared resource dependency might arise because there are only 2
ftp.cs.man.ac.uk/pub/IPG/rmg95.ps.Z

Reducing the Ill Effects of Branches - Uht, Si..., Somanathan (1996) (Correct) (1 citation)
one or more dependencies between them. A resource dependency arises if there are insufficient
ele.uri.edu/pub/uht/bert.ps.gz

From E-R to "A-R" - Modelling Strategic Actor Relationships.. - Yu, Mylopoulos (1994) (Correct) (1 citation)
D D D D D D D D D D D D D D D D D purchasing Resource Dependency Task Dependency Goal Dependency Soft-Goal
the tasks and their interrelationships. In a resource dependency, an actor depends on another for the
ftp.cs.toronto.edu/pub/eric/ER94.ps.Z

An Organization Modelling Framework for Information Systems.. - Yu (1993) (Correct) (1 citation)
necessarily making the goal explicit. In a resource dependency, the depender depends on the dependee for
in order to be reimbursed subsequently (a resource dependency)The patient's desire for good service,
ftp.cs.toronto.edu/pub/eric/WITS93.ps.Z

Event-based Composition of Concurrent Programs - Pandey, Browne (1993) (Correct) (1 citation)
Workshop 1993 dependencies such as data dependency, resource consistency, resource fairness, etc.
ftp.cs.utexas.edu/pub/raju/wlcpc94.ps

Design and Evaluation of Communication Processors.. - Corporaal Olk Delft (1991) (Correct) (1 citation)
Deadlock occurs when there are cycles in the resource dependency graph. Deadlock is part of the livelock or
cardit.et.tudelft.nl/MOVE/papers/DMCC-6a.ps.gz

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18 The Gestalt of an information technology outsourcing relationship: an exploratory analysis
Thomas Kern
December 1997 **Proceedings of the eighteenth international conference on Information systems**
Full text available: 📄 pdf(90.99 KB)   Additional Information: full citation, references

Keywords: IT outsourcing, IT outsourcing relationship, MIS management, interpretivism, relational contract theory, social exchange theory

19 From service configuration through performance monitoring to fault detection: implementing an integrated and automated network maintenance platform for enhancing wide area transaction access services
Symeon Papavassiliou, Mike Pace
September 2000 **International Journal of Network Management**, Volume 10 Issue 5
Full text available: 📄 pdf(961.05 KB)   Additional Information: full citation, abstract, references, index terms

The design and implementation of integrated and automated network-service management platforms that can seamlessly configure services, monitor service-network performance, and detect network faults are of great importance and interest to the service and network providers. In this paper we describe a set of integrated Operations Support Systems (OSS) that implement proactive network maintenance process in Wide Area Transaction Access Services. Copyright © 2000 John ...

20 High availability path design in ring-based optimal networks
Wayne D. Grover
August 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 4
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